

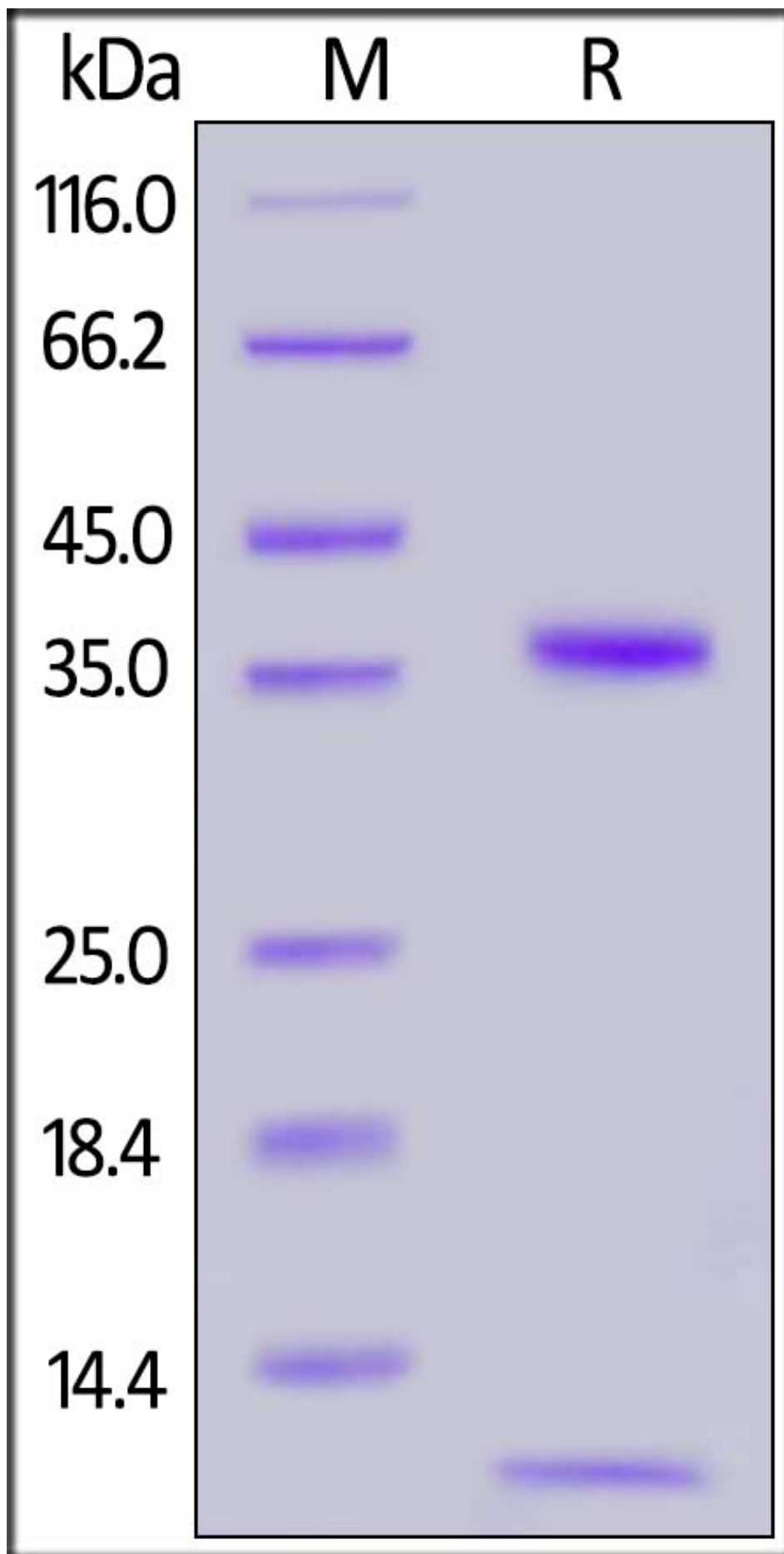
# Recombinant Human FCGRT&B2M protein, C-His-Avi Tag, Biotinylated

## Product Information

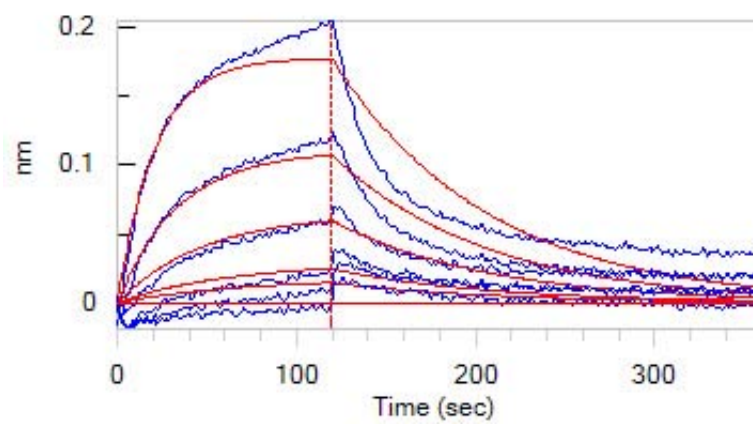
---

<b>Cat</b>	IMP-638
<b>Official Symbol</b>	FCGRT
<b>Product Overview</b>	<i>Biotinylated Recombinant Human FCGRT&amp;B2M protein(Accession # P55899-1 &amp; P61769-1)(Ala 24-Ser 297 (FCGRT) &amp; Ile 21-Met 119 (B2M)), fused to C-His-Avi Tag, was expressed in HEK293.</i>
<b>Expression System</b>	HEK293
<b>Species</b>	Human
<b>Tag</b>	C-His-Avi Tag, Biotinylated
<b>Form</b>	<i>Lyophilized from 0.22 µm filtered solution in PBS, pH7.4. Normally trehalose is added as protectant before lyophilization.</i>
<b>Molecular Mass</b>	<i>The reducing (R) protein migrates as 38-40 kDa (FCGRT) and 12 kDa (B2M) respectively due to glycosylation.</i>
<b>Protein length</b>	<i>Ala 24-Ser 297 (FCGRT) &amp; Ile 21-Met 119 (B2M)</i>
<b>Endotoxin</b>	<i>Less than 1.0 EU per µg by the LAL method.</i>
<b>Purity</b>	<i>&gt;95% as determined by SDS-PAGE.</i>
<b>Storage</b>	<i>For long term storage, the product should be stored at lyophilized state at -20°C or lower. Please avoid repeated freeze-thaw cycles. This product is stable after storage at: -20°C to -70°C for 12 months in lyophilized state; -70°C for 3 months under sterile conditions after reconstitution.</i>
<b>Reconstitution</b>	<i>It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.</i>

## SDS-PAGE

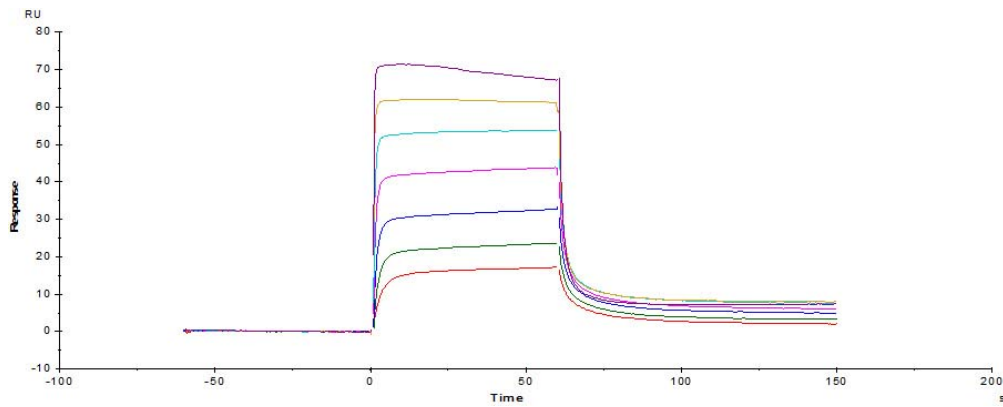


### **Bioactivity-BLI 1**



***Loaded Biotinylated Human FCGRT&B2M Heterodimer Protein, His, Avitag on SA Biosensor, can bind Human Serum Albumin, His Tag with an affinity constant of 0.647  $\mu$ M as determined in BLI assay.***

### **Bioactivity-SPR 1**



***Biotinylated Human FCGRT&B2M Heterodimer Protein, His,Avitag captured on Biotin CAP-Series S sensor Chip can bind Herceptin with an affinity constant of 0.11  $\mu$ M as determined in a SPR assay.***